MINTZ LEVIN COHN FERRIS GLOVSKY AND POPEO PC

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701 Pennsylvania Avenue, N W Washington, D C 20004 202 434 7300 202 434 7400 fax

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FEDERAL COMMUNICATIONS COMMISSION
OFFICE OF THE SECRETARY

Russell H. Fox

Direct dial 202 434 7483 rfox@mintz.com

January 16, 2004

By Hand and/or Electronically, as Noted

Marlene H. Dortch Secretary Federal Communications Commission 445 12th Street, S.W. Washington, D.C. 20554

Re: DA 03-3585, RM-10821; Wireless Telecommunications Bureau Seeks Comment On MariTEL, Inc. Petition for Declaratory Ruling and National Telecommunications and Information Administration Petition for Rulemaking Regarding the Use of MariTime VHF Channels 87B and 88B; NOTICE OF EX PARTE PRESENTATION; Filed By Hand and Electronically

PR Docket No. 92-257; Amendment of the Commission's Rules Concerning Maritime Communications; NOTICE OF EX PARTE PRESENTATION; Filed Electronically

ET RM-10743; Commission's Rules to Promote the Use of VHF Public Coast Station Frequencies; NOTICE OF EX PARTE PRESENTATION; Filed Electronically

DA 03-1484; MARITEL, Inc. Request to Extend Construction Deadline for Certain VHF Public Coast Station Geographic Area Licenses; NOTICE OF EX PARTE PRESENTATION; Filed by Hand

Dear Ms. Dortch:

Pursuant to the provisions of Section 1.1206(b) of the rules and regulations of the Federal Communications Commission ("FCC"), this letter provides notice of a meeting between Dan Smith and Jason Smith of MariTEL, Inc. ("MariTEL"), their undersigned counsel and Catherine Seidel, Scot Stone, Jeffrey Tobias and Tim Maguire, all of the Wireless Telecommunications Bureau.

MINTZ, LEVIN, COHN, FERRIS, GLOVSKY AND POPEO, P.C.

Marlene H. Dortch January 16, 2004 Page 2

At the meeting, MariTEL officials explained their plans to provide a data communications service on the VHF Public Coast ("VPC") channels for which MariTEL is licensed. They explained that harmful interference caused by the proliferation of currently approved automatic identification system ("AIS") devices would prevent MariTEL from successfully introducing its service and would effectively reduce the frequencies, purchased by MariTEL, available to it. MariTEL proposed means by which these matters, and those regarding the request by the United States Coast Guard ("USCG") to dedicate channels 87B and 88B for AIS, could be solved. It stated that it would provide a more complete version of its proposal shortly. MariTEL also noted that that although the FCC recently approved its request for extension of time to construct its facilities, it could not effectively do so until matters related to its authorized spectrum, had been resolved. A copy of a presentation made to FCC officials at the meeting is attached.

Should there be any questions regarding this matter, please contact the undersigned directly.

Cordially yours,

Zumuz Th

Russell H. Fox

Attachment

cc: (each electronically, w/attachment)
Catherine Seidel
Scot Stone
Jeffrey Tobias
Tim Maguire

WDC 344075v1



MariTEL Commercial Opportunity:

PAWSS areas for port authorities, local governments, etc., to facilitate Use VPC channels to provide AIS based network services in non voiceless" maritime communications. Use channels 87 and 88 to communicate with SOLAS vessels carrying AIS Iransponders.

Bundle these and other services with traditional voice ana/or data VPC services on a CMRS or PMRS basis.

288 429 Hypothetical implementation of FCC 80.371: up to (2) narrowband offset duplex channels 483 283

Basis of VPC Auction... "Ground Rules"

PAWSS VTS operations for ship-shore and shore-ship transmissions up to the management of the common of the state of the st (mation wide ship-ship uses 228B) to actively manage the flow of vessels in narrow and congested navigable waterways.



• 12.5 kHz or 25 kHz channel spacing

Up to 22 kbps

• USB and RS-232 Serial Port for easy networking • Selective ID and Broadcasting Addressing

• 1 to 6 Watts
• Less than 15 ms transmitter attack time
• On board RAM for "seemingly" faster throughput

Product Seamental

	engriVHF);		W Cellular WW/2i5G映画	Samura Gallanda		111.0x = 0.0x -	
Maximum Bandwidth	22+ keps *	€ 9.6 kops		Mbps e ₌a			#(00akbjest=Mbjes)
Integration to Vessel's Bridge	TOTAL SECTION	提出於 公顷時	SKI Carrier	ne state of sections has		i i i i i i i i i i i i i i i i i i i	
Applications Vessel telemetry (ex. Engine diagnostics) Automatic vessel location ("AVL") Text messaging E-mail Low speed web browsing (Eudora) Full speed web browsing (Explorer)							
Maximum coverage distance	50 m	1240 m/c2	15 m	15 ml		25 - 611	FEEDERNALES (A)
Monthly price range	\$15 (0 \$100	\$100 to \$500	\$40 to \$150	\$40 to \$150	Walter Walter	13.05.2 13.05.2 13.05.2 13.05.2	\$45.8500025c50
Price of customer equipment	##\$3004.184						

Complinents of brazilistic technologies and shorter wavelength spectrum.

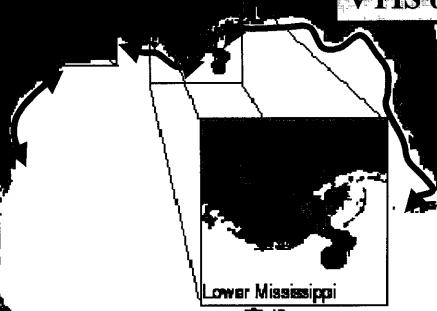
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Port Arthur

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MariTEL non-PAWSS
VTIS opportunity



47,000 commercial vessels and over 3,000 off-shore oil platforms in reach of VHF shore stations.

Non-PAWSS port authorities and stakeholders in need of voice and data maritime communications.

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Legal

MariTEL "wideband" 25 KHz channels

MariTEL "narrowband" 12.5 KHz channels

MariTEL channels above Line A

Narrowband 12.5 KHz duplex channels for PAWSS VTS ship-shore, shore-ship communications

Channel assigned for use in PAWSS by USCG per Section 80.371 (c)(3)

Exclusive use of channel by the licensed party; not above/beyond FCC rules

Designate and PROTECT



The purpose of a Vessel Traffic Service (VTS) is to provide active monitoring and navigational advice for vessels in particularly confined and busy waterways.



Vessel Traffic Services (VTS) are the assortment of personnel, procedures, equipment, and regulations assembled for the purpose of traffic management in a given body of water. A VTS includes some means of area surveillance, traffic separation, vessel movement reporting, a traffic center, and enforcement capability.

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- and Simple con Beside as wong side of the food!"
- 2. AIS 1371-1 transmitter emissions mask... not acceptable for simplex Part 80 operations
- 3 AlS 1371-1 "Spike Noise"

"Our experience is that, with the equipment types in use here, the immediate two or three adjacent channels (+/- 100 kHz or so) are not usable when AIS is installed or used at a base station site"... Karl-Arne Markstrom, Senior Radio Engineer, Telia, operator of Swedish national AIS network, July 23, 2003.



Bandwidth Federal vs. Non-Federal AIS to VPC Interference

Result: Overums the VPC auction and eliminates MariTEL's right to user its licensed spectrum.



MariTFL / FCC and NTIA agree to designate channels 87B and 88B for 25 kHz simplex AIS LED HAMPING OF THE MOTORING MOTORING ON O Shared COVERNMENT, NOTI-

No most to yessel operators for use of spectrum.

Manuficulty Amy Andre Green the Stroke Stations in the Checks for front folderal Inverses the station AS approalions. MA and MOTEL There use of both Als channels using "time slot allocation"

allowing for a great number of ships to be accommodated at still provide nearly 100% throughput for ships closer than 8 argets that are a primary concern to ship operators. In is 10 NN to each other in a ship to ship mode, in the event subject to drop-out, in order to give preference to nearer overloaded by 400 to 500% through sharing of slots, and The SOTDMA broadcast mode allows the system to be o i system overload, only targets further away will be practice, the capacity of the system is nearly unlimited. ne sancantementaria de sancante

nn /www.anaweenaiseegewo./enaw/ais/now-AIS-works, itim

Remedy 1371-1 AIS interference issues due to current transmitter emissions mask and "spike noise

Make it illegal for unauthorized shore station transmission and reception of AIS signals. Approve MariTEL's PMRS Petition (RM-10743).